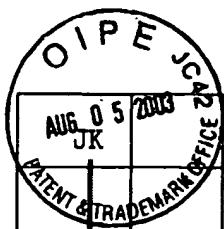




<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <b>FORM PTO-1449</b>				Attorney Docket No.: <b>16.06</b>			Serial No.: <b>10/083,456</b>
				Applicant: <b>Jon Wolff et al.</b>			Group: <b>1636</b>
<b>U.S. PATENT DOCUMENTS</b>							
Exmnr Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date
							<b>February 26, 2002</b>
<b>FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION</b>							
		Document Number	Publ. Date	Country or Patent Office	Class	Sub Class	Transl. Yes      No
<b>OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)</b>							
JK		Metrikin et al., "Intravitreal drug administration with depot devices," Current Opinion in Ophthalmology; 1994, vol. 5, pp. 21-29					
		Duzgunes et al., "pH-sensitive liposomes," California Biotechnology; pp.113-131					
		Hu et al., "Characterization of norfloxacin release from tablet coated with a new pH-sensitive polymer, p-4135f," Journal of Drug Targeting; 1999, vol. 7, no. 3, pp. 223-232					
		Hawley-Nelson et al., "Lipofectamine reagent: a new, higher efficiency polycationic liposome transfection reagent," Focus; vol. 15, no. 3, pp. 73-79					
		Kirby, "Effective Molarities for intramolecular reactions," University Chemical Laboratory, Cambridge, England; pp. 187-278					
		Legendre et al., "Delivery of Plasmid DNA into mammalian Cell Lines using pH-sensitive liposomes: comparison with cationic liposomes," Pharmaceutical Research; 1992, vol. 9, no. 10, pp. 1235-1241					
		Sezaki et al., "soluble macromolecular carriers for the delivery of antitumour drugs," Elsevier Science Publishers; 1989pp. 247-266					
		Jain et al., "Controlled drug delivery by biodegradable poly9ester0devices: different preparative approaches," Drug Development and Industrial Pharmacy; 1998, vol. 24, no. 8, pp. 703-727					
		Bertoni et al., "Uptake of oligonucleotide-loaded nanoparticles in prostatic cancer cells and their intracellular localization," European Journal of Pharmaceutics and Biopharmaceutics;					



JK	1999, vol. 47, pp. 119-123
AUG 05 2003	Gerweck et al., "Cellular pH gradient in tumor versus normal tissue: potential exploitation for the treatment of cancer," <i>Cancer Research</i> , march 15, 1996, vol. 56, pp. 1194-1198
	Thorpe et al., "Comparison of two anti-thy 1.1-abrin a-chain immunotoxins prepared with different cross-linking agents: antitumor effects, in vivo fate, and tumor cell mutants," <i>JNCI</i> ; nov. 1987, vol. 79, no. 5, pp. 1101-1111
	Gill et al., "Calculation of protein extinction coefficients from amino acid sequence data," <i>Analytical Biochemistry</i> ; 1989, vol. 182, pp. 319-326
	Felgner et al., "Lipofection: a highly efficient, lipid-mediated dna-transfection procedure," <i>Proc. Natl. Acad. Sci. Usa</i> ; nov. 1987, vol. 84, pp. 7413-7417
	Lowman et al., "Oral delivery of insulin using pH-responsive complexation gels," <i>Journal of Pharmaceutical Science</i> ; sep. 1999, vol. 88, no. 9, pp. 933-937
	Ohmori et al., "The Enhancing effect of anionic a-Helical peptide on cationic peptide-mediating transfection systems," <i>Biochemical and Biophysical Research Communications</i> ; 1997, vol. 235, pp. 726-729
	Madsen et al., "Complexation graft copolymer networks: swelling properties, calcium binding and proteolytic enzyme inhibition," <i>Biomaterials</i> ; 1999, vol. 20, pp. 1701-1708
	Zauner et al., "Rhinovirus-mediated endosomal release of transfection complexes," <i>Journal of Virology</i> ; feb. 1995, vol. 69, no. 2, pp. 1085-1092
	Zhou et al., "DNA transfection mediated by cationic liposomes containing lipopolysine: characterization and mechanism of action," <i>Biochimica et Biophysica Acta</i> ; 1994, vol. 1189, pp. 195-203
	Zhou et al., "Lipophilic polylysines mediate efficient DNA transfection in mammalian cells," <i>Biochimica et Biophysica Acta</i> ; 1991, vol. 1065, pp. 8-14
	Seetharam et al., "Increased cytotoxic activity of pseudomonas exotoxin and two chimeric toxins ending in kdel," <i>The Journal of Biological Chemistry</i> ; Sept. 15 1991, vol. 266, no. 26, pp. 17376-17381
	Senior et al., "Interaction of positively-charged liposomes with blood: implications for their application in vivo," <i>Biochimica et Biophysica Acta</i> ; 1991, vol. 1070, pp. 173-179
	Pastan et al., "Pseudomonas exotoxin: chimeric toxins" <i>The Journal of Biological Chemistry</i> ; Sept. 15 1989, vol. 264, no. 26, pp. 15157-15160
	Perez et al., "Comonomer sequence assignment of the Cn.m.r. spectra of some poly(epichlorohydrin) derivatives obtained by nucleophilic substitution," <i>Polymer</i> ; 1998, vol. 39, no. 17, pp. 3885-3892
	Nishikubo et al., "Degradation of dehydrochlorinated ly(epichlorohydrin) using photo-generated cationic catalysts," <i>Polymer Science: Part A: Polymer Chemistry</i> ; 1986, vol. 24, pp. 1097-1108
	Mechtler et al., "Gene transfer mediated by influenza virus peptides: the role of peptide sequences," <i>New Journal of Chemistry</i> ; 1997, vol. 21, pp. 105-111
	Kishore et al., "Polymers containing disulfide, tetrasulfide, diselenide and ditelluride linkages in the main chain," <i>Advances in Polymer Sciences</i> ; 1995, vol. 121
	Kichler et al., "Efficient gene delivery with neutral complexes of lipospermine and thiol-reactive phospholipids," <i>Biochemical and Biophysical Research Communications</i> ; 1995, vol. 209, no. 2, pp. 444-450



AUG 05 2003 JK	Wolff et al., "Direct gene transfer into mouse muscle in vivo," <i>Science</i> ; 1990, vol. 247, pp. 1465-1468
	Wolfert et al., "Characterization of vectors for gene therapy formed by self-assembly of DNA with synthetic block co-polymers," <i>Human Gene Therapy</i> ; Nov. 1996, vol. 7, pp. 2123-2133
	Wagner et al., "Delivery of drugs, proteins and genes into cells using transferring as a ligand for receptor-mediated endocytosis," <i>Advanced Drug Delivery Reviews</i> ; 1994, vol. 14, pp. 113-135
	Wagner et al., "Influenza virus hemagglutinin ha-2 n-terminal fusogenic peptides augment gene transfer by transferring-polylysine-DNA complexes: toward a synthetic virus-like gene-transfer vehicle," <i>Proc. Natl. Acad. Sci.</i> ; Sept. 1992, vol. 89, pp. 7934-7938
	Wetering et al., "Copolymers of 2-(dimethylamino)ethyl methacrylate with ethoxyriethylene glycol methacrylate or n-vinyl-pyrrolidone as gene transfer agents," <i>Journal of Controlled Release</i> ; 2000, vol. 64, pp. 193-203
	Trubetskoy et al., "Self-assembly of DNA-polymer complexes using template polymerization," <i>Nucleic Acids Research</i> ; 1998, vol. 26, no. 18, pp. 4178-4185
	Trubetskoy et al., "Quantitative Assessment of DNA Condensation," <i>Analytical Biochemistry</i> ; 1999, vol. 267, pp. 1-5
	Trubetskoy et al., "Layer-by-layer deposition of oppositely charged polyelectrolytes on the surface of condensed DNA particles," <i>Nucleic Acids Research</i> ; 1999, vol. 27, no. 15, pp. 3090-3095
	Trubetskoy et al., "Caged DNA does not aggregate in high ionic strength solutions," <i>Bioconjugate Chem.</i> ; 1999, vol. 10, pp. 624-628
	Seymour et al., "Polymer Chemistry" polymer chemistry;
	Remy et al., "Gene Transfer with a series of lipophilic DNA-binding molecules," <i>Bioconjugate Chem.</i> ; 1994, vol. 5, pp. 647-654
	Remy et al., "Targeted gene transfer into hepatoma cells with lipopolyamine-condensed DNA particles presenting galactose ligands: a stage toward artificial viruses," <i>Proc. Natl. Acad. Sci.</i> ; Feb. 1995, vol. 92, pp. 1744-1748
	O'Brien-Simpson et al., "Polymerization of Unprotected Synthetic Peptides: A View toward Synthetic Peptide Vaccines," <i>J. Am. Chem. Soc.</i> ; 1997, vol. 119, pp. 1183-1188
	Murthy et al., "the design and synthesis of polymers for eukaryotic membrane disruption," <i>Journal of Controlled Release</i> ; 1999, vol. 61, pp. 137-143
	Meyer et al., "Copolymers of N-isopropylacrylamide can trigger pH sensitivity to stable liposomes," <i>FEBS Letters</i> ; 1998, vol. 421, pp. 61-64
	Kresge et al., "vinyl ether hydrolysis. 9. isotope effects on proton transfer from the hydronium ion," <i>Journal of the American Chemical Society</i> ; Oct. 1977, vol. 99, no. 22, pp. 7228-7233
	Kamata et al., "Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection," <i>Nucleic Acids Research</i> ; 1994, vol. 22, no. 3, pp. 536-537
	Goula et al., "size, diffusibility and transfection performance of linear PEI/DNA complexes in the mouse central nervous system," <i>Gene Therapy</i> ; 1998, vol. 5, pp. 712-717
	Danko et al., "high expression of naked plasmid DNA in muscles of young rodents," <i>Human Molecular Genetics</i> ; 1997, vol. 6, no. 9, pp. 1435-1443



JK	et al., "adenovirus enhancement of transferring-polylysine-mediated gene delivery," Proc. Natl. Acad. Sci.; Oct. 1991, vol. 88, pp. 8850-8854
	Budker et al., "The efficient expression of intravascularly delivered DNA in rat muscle," Gene Therapy; 1995, vol. 5, pp. 272-276
	Boussif et al., "A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: polyethylenimine," Proc. Natl. Acad. Sci.; Aug. 1995, vol. 92, pp. 7297-7301
	Blessing et al., "Template oligomerization of DNA-bound cations produces calibrated nanometric particles," J. Am. Chem. Soc.; 1998, vol. 120, pp. 8519-8520
	Blattler et al., "New heterobifunctional protein cross-linking reagent that forms an acid- labile link," Biochemistry; 1985, vol. 24, pp. 1517-1524
	Birch "reduction by dissolving metals," 1946, vol. 3, pp. 593-597
	Adami et al., "metabolic stability of glutaraldehyde cross-linked peptide DNA condensates," Journal of Pharmaceutical Sciences; Aug. 1999, vol. 88, no. 8, pp. 739-745

Examiner: Initial citation considered. Draw line through citation if not in conformance and not  
Considered. Include copy of this form with next Action to applicant

/James Ketter/ (Examiner)	01/25/2007 (Date Considered)
------------------------------	---------------------------------